

Abstract

A method is described that involves updating an understanding of an ATM PNNI network after the reception of PTSE information. The PTSE information has SIG information that describes bandwidth which has been allocated to specific priority levels of a bandwidth resource. The bandwidth resource is within the ATM PNNI network. Then, determining a path through the network for a requested connection. The path is determined in light of the updated understanding. The requested connection has a priority level, wherein the path may result in one or more connections being dropped in order to allow bandwidth for the requested connection. Each of the dropped connections has a lower priority level than the priority level of the requested connection.